

Mr. Thomas Bootz
Bootz Manufacturing Company
P. O. Box 18010
Evansville, IN 47719-1010

Re: 163-14995
Second Administrative Amendment to
Part 70 163-6651-00011

Dear Mr. Bootz:

Bootz Manufacturing Company was issued a permit on June 16, 1999, for the operation of a stationary fabricated metal bath tub, sink, and lavatory manufacturing operation. A letter requesting an administrative amendment was received on September 28, 2001. The request was made to incorporate the following changes into the Part 70 permit:

1. The removal of one (1) Smallware Porcelain Enamel Booth, capable of coating 360 units per hour, at Plant # 2.
2. The removal of one (1) of two (2) Urea Foam Spray Booths, each capable of coating 7 units per hour.

Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

- 1) The description in Section A.2 is changed:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

Plant #1

- (a) One (1) primer paint spray booth, identified as Booth No. 1, utilizing an air atomized application system, coating a maximum of 180 steel parts per hour, with a water curtain for overspray control, and exhausting at one (1) stack, identified as S/V-1; and
- (b) One (1) top coat paint spray booth, identified as Booth No. 2, utilizing an air atomized application system, coating a maximum of 180 steel parts per hour, with a dry filter and water curtain for overspray control, and exhausting at one (1) stack, identified as S/V-2.

Plant #2

- (a) Two (2) Largeware Porcelain Enamel booths, the ground coat and the top coat booths,

which are capable of coating 165 units per hour. These booths are equipped with eight (8) air atomization spray systems, with water wash spray to control the Particulate Matter

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(PM) overspray from the ground coat booth and a dust collector to control the PM overspray from the top coat booth, both exhausting to stack S/V 7;

~~(b) One (1) Smallware Porcelain Enamel booth, which is capable of coating 360 units per hour. This booth is equipped with four (4) air atomization spray systems, with dust collector to control the PM overspray, exhausting to stack S/V 6;~~

~~(e-b) Two (2) One (1) Urea Foam spray booths, each capable of coating 7 units per hour. These booths are This booth is~~ equipped with an air atomization spray system, with dry filters to control the PM over spray, ~~both~~ exhausting to stack S/V 1; and

~~(d-c) One (1) natural gas-fired Largeware furnace, which is rated at 11.7 million British thermal units per hour (MMBtu/hr) and one (1) natural gas-fired Smallware furnace, which is rated at 4.6 MMBtu/hr.~~

2) The descriptions in Section D.2 are changed:

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

Plant #2

(a) Two (2) Largeware Porcelain Enamel booths, the ground coat and the top coat booths, which are capable of coating 165 units per hour. These booths are equipped with eight (8) air atomization spray systems, with water wash spray to control the Particulate Matter (PM) overspray from the ground coat booth and a dust collector to control the PM overspray from the top coat booth, both exhausting to stack S/V 7;

~~(b) One (1) Smallware Porcelain Enamel booth, which is capable of coating 360 units per hour. This booth is equipped with four (4) air atomization spray systems, with dust collector to control the PM overspray, exhausting to stack S/V 6;~~

~~(eb) Two (2) One (1) Urea Foam spray booths, each capable of coating 7 units per hour. These booths are This booth is~~ equipped with an air atomization spray system, with dry filters to control the PM over spray, ~~both~~ exhausting to stack S/V 1; and

~~(dc) One (1) natural gas-fired Largeware furnace, which is rated at 11.7 million British thermal units per hour (MMBtu/hr) and one (1) natural gas-fired Smallware furnace, which is rated at 4.6 MMBtu/hr.~~

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter (PM) and Particulate Matter Less Than 10 Microns (PM-10) [326 IAC 2-2]

Total PM and PM-10 emissions from the one (1) Urea Foam spray booth shall be limited to less than 5.70 and 3.42 pounds per hour, respectively, therefore, the requirements of 326 IAC 2-2 (PSD) do not apply.

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D.2.2 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2, the PM emissions from Urea Foam Spray Booths, ~~Smallware Booth~~ and Largeware Booths shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). This is equivalent to a PM emission rate of 3.7 pounds per hour for each booth.

D.2.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

The PM from the Urea Foam Spray Booths, ~~Smallware Booth~~ and Largeware Booths shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

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cc: File - Vanderburgh County
U.S. EPA, Region V
Vanderburgh County Health Department
Evansville EPA
Southwest Regional Office
Air Compliance Section Inspector - Scott Anslinger
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley

Technical Support and Modeling - Michele Boner

**PART 70 OPERATING PERMIT
OFFICE OF AIR MANAGEMENT
and EVANSVILLE ENVIRONMENTAL PROTECTION
AGENCY**

**Bootz Manufacturing Company
1400 Park Street Evansville, Indiana 47719 (Plant #1)
2301 Maryland Street, Evansville, Indiana 47719 (Plant #2)**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T163-6551-00011	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: June 16, 1999

First Administrative Amendment 163-10961-00011

Issuance Date: September 21, 1999

Second Administrative Amendment No.: 163-14995-00011	Pages Modified: 5, 6, 32
Issued by: Paul Dubenetzky, Chief Permits Branch	Issuance Date:

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) and Evansville EPA. The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary fabricated metal bath tub, sink, and lavatory manufacturing operation.

Responsible Official:	Thomas Bootz, Vice President of Engineering
Source Address:	1400 Park Street, Evansville, Indiana 47719 (Plant #1) 2301 Maryland Street, Evansville, Indiana 47719 (Plant #2)
Mailing Address:	P.O. Box 6409, Evansville, Indiana 47712
Phone Number:	812-429-2240
SIC Code:	3469
County Location:	Vanderburgh
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

Plant #1

- (a) One (1) primer paint spray booth, identified as Booth No. 1, utilizing an air atomized application system, coating a maximum of 180 steel parts per hour, with a water curtain for overspray control, and exhausting at one (1) stack, identified as S/V-1; and
- (b) One (1) top coat paint spray booth, identified as Booth No. 2, utilizing an air atomized application system, coating a maximum of 180 steel parts per hour, with a dry filter and water curtain for overspray control, and exhausting at one (1) stack, identified as S/V-2.

Plant #2

- (a) Two (2) Largeware Porcelain Enamel booths, the ground coat and the top coat booths, which are capable of coating 165 units per hour. These booths are equipped with eight (8) air atomization spray systems, with water wash spray to control the Particulate Matter (PM) overspray from the ground coat booth and a dust collector to control the PM overspray from the top coat booth, both exhausting to stack S/V 7;

- (b) One (1) Urea Foam spray booths, capable of coating 7 units per hour. This booth is equipped with an air atomization spray system, with dry filters to control the PM over spray, exhausting to stack S/V 1; and
- (c) One (1) natural gas-fired Largeware furnace, which is rated at 11.7 million British thermal units per hour (MMBtu/hr) and one (1) natural gas-fired Smallware furnace, which is rated at 4.6 MMBtu/hr.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas fired combustion sources with heat input equal to or less than ten (10) million (MM) British thermal units (Btu) per hour including:
 - (1) one (1) permitted 6.695 MMBtu per hour natural gas fired boiler exhausting at one (1) stack, identified as S/V-7.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22); and
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

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- (b) One (1) Urea Foam spray booth, capable of coating 7 units per hour. This booth is equipped with an air atomization spray system, with dry filters to control the PM over spray, exhausting to stack S/V 1; and
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Emission Limitations and Standards [326 IAC 2-7-5(1)]

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Total PM and PM-10 emissions from the one (1) Urea Foam spray booth shall be limited to less than 5.70 and 3.42 pounds per hour, respectively, therefore, the requirements of 326 IAC 2-2 (PSD) do not apply.

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Pursuant to 326 IAC 6-1-2, the PM emissions from Urea Foam Spray Booth and Largeware Booths shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). This is equivalent to a PM emission rate of 3.7 pounds per hour for each booth.

D.2.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

The PM from the Urea Foam Spray Booth and Largeware Booths shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-4(c)(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of

this permit, is required for this facility and any control devices.